



General Assembly

January Session, 2015

***Raised Bill No. 996***

LCO No. 4142



Referred to Committee on GENERAL LAW

Introduced by:  
(GL)

***AN ACT CONCERNING LICENSING FOR PROFESSIONAL  
ENGINEERS AND LAND SURVEYORS.***

Be it enacted by the Senate and House of Representatives in General Assembly convened:

1 Section 1. Section 20-299 of the general statutes is repealed and the  
2 following is substituted in lieu thereof (*Effective January 1, 2016*):

3 As used in this chapter, unless the context otherwise requires:

4 (1) "Professional engineer" means a person who is qualified by  
5 reason of his or her special knowledge of mathematics, the physical  
6 sciences, [and] the principles of engineering and engineering analysis  
7 and design, acquired by professional education and practical  
8 experience, [to engage in engineering practice, including] and who is  
9 licensed under this chapter to practice or offer to practice the  
10 profession of professional engineering, which practice may include  
11 rendering or offering to render to clients any professional service such  
12 as consultation, investigation, evaluation, planning, design or  
13 responsible supervision of construction, in connection with any public  
14 or privately-owned structures, buildings, machines, equipment,

15 processes, works or projects in which the public welfare or the  
16 safeguarding of life, public health or property is concerned or  
17 involved;

18 (2) "Land surveyor" means a person who is qualified by knowledge  
19 of mathematics, physical and applied sciences and the principles of  
20 land surveying, and who is licensed under this chapter to practice or  
21 offer to practice the profession of land surveying, including, but not  
22 limited to: (A) Measuring, evaluating or mapping elevations,  
23 topography, planimetric features or land areas of any portion of the  
24 earth's surface; (B) determining positions of points with respect to  
25 appropriate horizontal or vertical datums in order to establish control  
26 networks for topographic, planimetric or cadastral mapping; (C)  
27 measuring, evaluating, mapping, monumenting or otherwise marking  
28 on the ground, property boundary lines, interior lot lines of  
29 subdivisions, easements, rights-of-way or street lines; (D) measuring,  
30 evaluating, mapping or marking on the ground, the horizontal location  
31 of existing or proposed buildings, structures or other improvements  
32 with respect to property boundary lines, building, setback, zoning or  
33 restriction lines, existing or proposed interior lot lines, easements,  
34 rights-of-way or street lines; (E) measuring, evaluating, mapping or  
35 reporting the vertical location of existing or proposed buildings,  
36 structures or other improvements with respect to vertical reference  
37 surfaces, including base flood elevations; (F) measuring, evaluating,  
38 mapping or reporting the location of existing or proposed buildings,  
39 structures or other improvements or their surrounding topography  
40 with respect to flood insurance rate mapping or federal emergency  
41 management agency mapping; (G) measuring or mapping inland  
42 wetland boundaries delineated by a soil scientist; (H) creating or  
43 mapping surveys required for condominiums or planned communities  
44 meeting the requirements of section 47-228; (I) monumenting or  
45 otherwise marking on the ground, property subject to development  
46 rights, vertical unit boundaries, horizontal unit boundaries, leasehold  
47 real property or limited common elements described in section 47-228;

48 (J) evaluating or designing the horizontal or vertical alignment of  
49 roads in conjunction with the layout and mapping of a subdivision; (K)  
50 measuring, evaluating or mapping areas under the earth's surface and  
51 the beds of bodies of water;

52 (3) "Automatic fire sprinkler system layout technician" means a  
53 person, licensed by the Department of Consumer Protection pursuant  
54 to this chapter, to [design] prepare automatic fire sprinkler system  
55 layouts;

56 (4) "Automatic fire sprinkler system layout" means [preparing and  
57 designing] preparation and design of shop drawings to be used for the  
58 installation, alteration or modification of an automatic fire sprinkler  
59 system;

60 (5) "National Institute for Certification in Engineering Technologies"  
61 means a nationally recognized organization which determines the  
62 qualifications of automatic fire sprinkler system layout technicians  
63 through a series of standardized examinations; and

64 (6) "Board" means the State Board of Examiners for Professional  
65 Engineers and Land Surveyors appointed under the provisions of  
66 section 20-300.

67 Sec. 2. Section 20-302 of the general statutes is repealed and the  
68 following is substituted in lieu thereof (*Effective January 1, 2016*):

69 No person shall practice or offer to practice the profession of  
70 engineering [in any of its branches, including] or land surveying, or  
71 use any title or description tending to convey the impression that such  
72 person is a professional engineer or a land surveyor, unless such  
73 person has been licensed [or is exempt] under the provisions of this  
74 chapter or is exempt from the provisions of this chapter. The following  
75 shall be considered as minimum evidence satisfactory to the board that  
76 the applicant is qualified for licensure as a professional engineer,  
77 engineer-in-training, land surveyor or surveyor-in-training,

78    respectively:

79        (1) Professional engineer: Graduation from an approved [course]  
 80        curriculum of not less than four years in engineering in a school or  
 81        college approved by the board as of satisfactory standing, a specific  
 82        record of [an additional] not less than four years of [active practice]  
 83        progressive experience in engineering work, which shall be of a  
 84        character satisfactory to the board, and the successful passing of a  
 85        written [or written and oral] examination prescribed by the board,  
 86        with the consent of the commissioner, the first part of which shall test  
 87        the applicant's knowledge of fundamental engineering subjects,  
 88        including mathematics and the physical sciences, and the second part  
 89        of which shall test the applicant's ability to apply the principles of  
 90        engineering to the actual practice of engineering. [In lieu of graduation  
 91        as specified in this subdivision, the board may accept, as an  
 92        alternative, six years or more of experience in engineering work which  
 93        shall be of a character satisfactory to the board and which shall  
 94        indicate knowledge, skill and education approximating that attained  
 95        through graduation from an approved course in engineering. The  
 96        board may waive the written examination requirement in the case of  
 97        an applicant who submits a specific record of twenty years or more of  
 98        lawful practice in engineering work which shall be of a character  
 99        satisfactory to the board and which shall indicate that the applicant is  
 100       competent to be in responsible charge of such work, and may waive  
 101       the first part of the written examination for an applicant who has  
 102       completed an approved course in engineering and has at least eight  
 103       years of engineering experience.]

104       (2) Engineer-in-training: The board may license as an engineer-in-  
 105       training a person who is a graduate of an approved [course]  
 106       curriculum of not less than four years in engineering [or who has had  
 107       the alternative experience prescribed in subdivision (1) of this section]  
 108       and who has successfully passed the first part of the examination  
 109       specified in [said] subdivision (1) of this section. Licensure as an  
 110       engineer-in-training shall remain valid [for a period of ten years from

111 date of issuance of an applicant's first license] toward meeting in part  
112 the requirements of subdivision (1) of this section unless or until such  
113 licensure has been surrendered by the licensee or suspended or  
114 revoked by the board.

115 (3) Land surveyor: Graduation from [a school or college approved  
116 by the board as of satisfactory standing, including the completion of]  
117 an approved [course in surveying,] curriculum of not less than four  
118 years in land surveying at a school or college approved by the board as  
119 of satisfactory standing, a specific record of an additional three years  
120 or more of [active practice] progressive experience in land surveying,  
121 which shall be of a character satisfactory to the board, and the  
122 successful passing of a written [or written and oral] examination,  
123 prescribed by the board with the consent of the commissioner, [for the  
124 purpose of testing] the first part of which shall test the applicant's  
125 knowledge of the fundamentals of land surveying, [and the  
126 procedures pertaining to land surveying] the second part which shall  
127 test the applicant's knowledge of the principles and practices of land  
128 surveying and the third part of which shall test the applicant's  
129 knowledge of land surveying principles and practices specific to the  
130 state of Connecticut. In lieu of graduation as specified in this  
131 subdivision, the board may accept, as an alternative: [, six] (A)  
132 Graduation from an approved curriculum of not less than two years in  
133 land surveying, combined with not less than six years of progressive  
134 experience in land surveying, which experience shall be of a character  
135 satisfactory to the board, or (B) nine years or more of progressive  
136 experience in surveying work, which shall be of a character  
137 satisfactory to the board and which shall indicate knowledge, skill and  
138 education approximating that attained through completion of an  
139 approved course in surveying. [The board may waive the written  
140 examination requirement in the case of an applicant who submits a  
141 specific record of sixteen years or more of lawful practice in surveying  
142 work, at least ten of which shall have been in land surveying, of a  
143 character satisfactory to the board and which shall indicate that the

144 applicant is competent to be in responsible charge of such work.]

145 (4) Surveyor-in-training: The board may license as a surveyor-in-  
 146 training a person who [is a graduate of a school or college approved by  
 147 the board or who is scheduled to graduate from such an institution  
 148 within three months after applying for licensure, or who has had six  
 149 years or more of experience in surveying work of a character  
 150 satisfactory to the board and which indicates knowledge, skill and  
 151 education approximating that attained through completion of an  
 152 approved course in surveying, provided any such person has  
 153 successfully passed part 1 of the national examination relating to  
 154 fundamentals of land surveying] (A) is a graduate of an approved  
 155 curriculum of not less than four years in land surveying, (B) is a  
 156 graduate of an approved curriculum of not less than two years in land  
 157 surveying who has not less than three years of progressive experience  
 158 in land surveying work of a character satisfactory to the board, (C) has  
 159 not less than six years of progressive experience in land surveying  
 160 work of a character satisfactory to the board and has passed the first  
 161 part of the written examination specified in subdivision (3) of this  
 162 section. Licensure as a surveyor-in-training shall remain valid [for a  
 163 period of ten years from the date of issuance of an applicant's first  
 164 license] toward meeting in part the requirements of subdivision (3) of  
 165 this section unless or until such licensure has been surrendered by the  
 166 licensee or suspended or revoked by the board. The board may license  
 167 as a surveyor-in-training a person who has gained the alternative  
 168 education or experience prescribed in subdivision (3) of this section  
 169 who has successfully passed the first part of the written examination  
 170 specified in said subdivision.

171 Sec. 3. Section 20-306 of the general statutes is repealed and the  
 172 following is substituted in lieu thereof (*Effective January 1, 2016*):

173 (a) (1) The Department of Consumer Protection shall notify each  
 174 person licensed under this chapter of the date of the expiration of such  
 175 license and the amount of the fee required for its renewal for one year.

176 Such license renewals shall be accompanied by the payment of the  
177 professional services fee for class G, as defined in section 33-182l, in the  
178 case of a professional engineer license, a professional engineer and  
179 land surveyor combined license, or a land surveyor license. The license  
180 shall be considered lapsed if not renewed within thirty days following  
181 the normal expiration date.

182 (2) Annual renewal of an engineer-in-training license or a surveyor-  
183 in-training license shall not be required. [Any such license shall remain  
184 valid for a period of ten years from the date of its original issuance  
185 and, during this time, it shall meet in part the requirements for  
186 licensure as a professional engineer or land surveyor. It shall not be the  
187 duty of the department to notify the holder of an engineer-in-training  
188 license or a surveyor-in-training license of the date of expiration of  
189 such license other than to publish it annually in the roster.]

190 (3) Renewal of any license under this chapter or payment of renewal  
191 fees shall not be required of any licensee serving in the armed forces of  
192 the United States until the next renewal period immediately following  
193 the termination of such service or the renewal period following the  
194 fifth year after such licensee's entry into such service, whichever occurs  
195 first. The status of such licensees shall be indicated in the annual roster  
196 of professional engineers and land surveyors.

197 (b) Notwithstanding the provisions of subsection (a) of this section  
198 concerning fees, any person who is licensed under the provisions of  
199 this chapter, who is age sixty-five or over and who is no longer  
200 actively engaged in the practice of engineering or any of its branches,  
201 or land surveying, may renew such license annually upon payment of  
202 the professional services fee for class A, as defined in section 33-182l.

203 (c) Each professional engineer shall declare on his or her annual  
204 renewal form whether he or she has completed twelve hours of  
205 continuing professional education during the year preceding the  
206 renewal period. The commissioner shall not renew a professional

207 engineer's license if the professional engineer has not declared that he  
208 or she has completed said twelve hours of continuing professional  
209 education.

210 (d) Each land surveyor shall declare on his or her annual renewal  
211 form whether he or she has completed eight hours of continuing  
212 professional education during the year preceding the renewal period.  
213 The commissioner shall not renew a land surveyor's license if the land  
214 surveyor has not declared that he or she has completed said eight  
215 hours of continuing professional education.

216 (e) If a person licensed under the provisions of this chapter exceeds  
217 the annual continuing professional education hourly requirements in  
218 any renewal period, such person may carry over an excess of not more  
219 than twelve hours for a professional engineer and eight hours for a  
220 land surveyor into the next renewal period.

221 (f) The commissioner and the board may audit the continuing  
222 professional education records of any person licensed under the  
223 provisions of this chapter.

224 Sec. 4. Subsection (b) of section 20-306a of the general statutes is  
225 repealed and the following is substituted in lieu thereof (*Effective*  
226 *January 1, 2016*):

227 (b) A qualifying corporation or limited liability company desiring a  
228 certificate of registration shall file with the board an application upon a  
229 form prescribed by the Department of Consumer Protection  
230 accompanied by [an] a nonrefundable application fee of five hundred  
231 sixty-five dollars. Each such certificate shall expire annually and shall  
232 be renewable upon payment of a fee of three hundred seventy-five  
233 dollars. If all requirements of this chapter are met, the board shall  
234 authorize the department to issue to such corporation or limited  
235 liability company a certificate of registration within thirty days of such  
236 application, provided the board may refuse to authorize the issuance  
237 of a certificate if any facts exist which would entitle the board to

238 suspend or revoke an existing certificate.

239 Sec. 5. Section 20-307 of the general statutes is repealed and the  
240 following is substituted in lieu thereof (*Effective January 1, 2016*):

241 (a) The board may refuse to issue or renew, or may suspend or  
242 revoke, a license or certificate of registration, or may take any other  
243 action permitted in this chapter or in subdivision (7) of section 21a-7,  
244 and may assess a civil penalty of up to one thousand dollars per  
245 occurrence, if the holder of the license or certificate of registration has:  
246 (1) Violated a statute or regulation related to the practice of  
247 professional engineering or land surveying of this state, any state of  
248 the United States, the United States, the District of Columbia, the  
249 Commonwealth of Puerto Rico, any territory or insular possession  
250 subject to the jurisdiction of the United States or a foreign jurisdiction,  
251 (2) been disciplined by, or is the subject of pending disciplinary action  
252 or an unresolved complaint before the duly authorized disciplinary  
253 agency of any state of the United States, the United States, the District  
254 of Columbia, the Commonwealth of Puerto Rico, any territory or  
255 insular possession subject to the jurisdiction of the United States or a  
256 foreign jurisdiction, (3) been refused a license or registration or  
257 renewal of a license or registration by any state of the United States,  
258 the United States, the District of Columbia, the Commonwealth of  
259 Puerto Rico, any territory or insular possession subject to the  
260 jurisdiction of the United States or a foreign jurisdiction, based on  
261 grounds that are similar to grounds on which the commissioner or  
262 board could refuse to issue or renew such a license or registration, (4)  
263 made false, misleading or deceptive representations to the public, the  
264 commissioner or the board, (5) performed or been a party to a  
265 fraudulent or deceitful practice or transaction, (6) illegally or  
266 fraudulently obtained a license or certificate of registration, or (7)  
267 performed incompetent or negligent work, as determined by the  
268 board.

269 (b) Appeals from the decisions of the board concerning the issuance,

270 renewal, [or the] suspension or revocation of any license or certificate  
271 of registration under the provisions of this chapter may be taken as  
272 provided in section 4-183, except that such appeal shall be made  
273 returnable to the judicial district of New Britain. The board, for reasons  
274 it deems sufficient, may authorize the Department of Consumer  
275 Protection to reissue a license or certificate of registration to any  
276 person whose license or certificate has been revoked or suspended. A  
277 new license or certificate of registration to replace any license or  
278 certificate revoked, suspended, lost, destroyed or mutilated may be  
279 issued, subject to the regulations adopted under this chapter, and a  
280 charge of twenty-five dollars shall be made for such issuance.

281       Sec. 6. Section 20-307a of the general statutes is repealed and the  
282 following is substituted in lieu thereof (*Effective January 1, 2016*):

283       The Department of Consumer Protection may, upon request of the  
284 board or on its own motion, inquire into the existence of violations of  
285 the provisions of this chapter. If, after notice and opportunity for  
286 hearing as provided in the regulations adopted by the Commissioner  
287 of Consumer Protection, the board determines that a violation of any  
288 provision of this chapter or any regulation adopted under this chapter  
289 exists, the board may issue an appropriate order to the person or  
290 persons found to be so violating such provision or regulation [ ]  
291 providing for the immediate discontinuance of such violation, and  
292 may levy a civil penalty of not more than one thousand dollars for  
293 each such violation.

294       Sec. 7. Section 20-308 of the general statutes is repealed and the  
295 following is substituted in lieu thereof (*Effective January 1, 2016*):

296       (a) The board may, upon application and the payment of a fee of  
297 one hundred ninety dollars to the Department of Consumer Protection,  
298 authorize the department to issue a license as a professional engineer,  
299 or a combined license as a professional engineer and land surveyor or,  
300 upon application and the payment of a fee of one hundred ninety

301 dollars, authorize the department to issue a license as a land surveyor,  
302 to any person who holds a [certificate of qualification, licensure] valid  
303 license or registration issued to such person by the proper authority of  
304 any state, territory or possession of the United States, or any country,  
305 or the National [Bureau of Engineering Registration] Council of  
306 Examiners for Engineering and Surveying, provided the requirements  
307 for the licensure or registration of professional engineers or land  
308 surveyors under which such license, [certificate of qualification] or  
309 registration was issued shall not conflict with the provisions of this  
310 chapter and shall be of a standard not lower than that specified in  
311 section 20-302, as amended by this act. Upon request of any such  
312 applicant the board may, if it determines that the application is in  
313 apparent good order, authorize the department to grant to such  
314 applicant permission in writing to practice engineering or land  
315 surveying or both for a specified period of time while such application  
316 is pending. The board may waive the first part of the examination  
317 specified in subdivision (1) of section 20-302, as amended by this act, in  
318 the case of an applicant for licensure as a professional engineer who  
319 holds a certificate as an engineer-in-training issued to him or her by  
320 the proper authority of any state, territory or possession of the United  
321 States or of any country, provided the requirements under which the  
322 certificate was issued do not conflict with the provisions of this chapter  
323 and are of a standard at least equal to that specified in said subdivision  
324 (1). The board may waive that part of the examination specified in  
325 subdivision (3) of section 20-302, as amended by this act, relating to the  
326 fundamentals of land surveying, in the case of an applicant for  
327 licensure as a land surveyor who holds a certificate as a surveyor-in-  
328 training issued to him by the proper authority of any state, territory or  
329 possession of the United States, provided the requirements under  
330 which the certificate was issued do not conflict with the provisions of  
331 this chapter and are of a standard at least equal to that specified in said  
332 subdivision (3). Applicants for license reciprocity as a land surveyor  
333 shall provide proof they have passed the Connecticut specific  
334 examination specified in subdivision (3) of section 20-302, as amended

335 by this act.

336 (b) The board may, upon application and the payment of a fee to be  
337 fixed by the board, authorize the Department of Consumer Protection  
338 to issue a license as an engineer-in-training or a surveyor-in-training to  
339 any person who holds a certificate of qualification as an engineer-in-  
340 training or surveyor-in-training issued to him or her by the proper  
341 authority of any state or territory or possession of the United States, or  
342 any country, provided the requirements for certification under which  
343 such certificate of qualification was issued do not conflict with the  
344 provisions of this chapter and are of a standard at least equal to that  
345 specified in section 20-302, as amended by this act.

346 Sec. 8. Section 20-309 of the general statutes is repealed and the  
347 following is substituted in lieu thereof (*Effective January 1, 2016*):

348 The following persons shall be exempt from the provisions of this  
349 chapter: (1) An employee or a subordinate of a person holding a  
350 license under this chapter, provided the work of such employee or  
351 subordinate shall be under the responsible supervision of a person so  
352 licensed; (2) any corporation whose operations are under the  
353 jurisdiction of the Public Utilities Regulatory Authority and the officers  
354 and employees of any such corporation or any contracting corporation  
355 affiliated with any such corporation; (3) any manufacturing or  
356 scientific research and development corporation and the officers and  
357 employees of any such corporation while engaged in the performance  
358 of their employment by such corporation, provided the engineering  
359 work performed by such corporation, officers and employees shall be  
360 incidental to the research and development or manufacturing activities  
361 of such corporation; (4) officers and employees of the government of  
362 the United States while engaged within this state in the practice of the  
363 profession of engineering or land surveying for said government; and  
364 (5) architects licensed under chapter 390, in the performance of work  
365 incidental to their profession.

366 Sec. 9. Section 20-310 of the general statutes is repealed and the  
367 following is substituted in lieu thereof (*Effective January 1, 2016*):

368 Any person who knowingly or wilfully violates any provision of  
369 this chapter shall be fined not more than five [hundred] thousand  
370 dollars or be imprisoned not more than [three months] one year, or  
371 both.

This act shall take effect as follows and shall amend the following sections:		
Section 1	<i>January 1, 2016</i>	20-299
Sec. 2	<i>January 1, 2016</i>	20-302
Sec. 3	<i>January 1, 2016</i>	20-306
Sec. 4	<i>January 1, 2016</i>	20-306a(b)
Sec. 5	<i>January 1, 2016</i>	20-307
Sec. 6	<i>January 1, 2016</i>	20-307a
Sec. 7	<i>January 1, 2016</i>	20-308
Sec. 8	<i>January 1, 2016</i>	20-309
Sec. 9	<i>January 1, 2016</i>	20-310

***Statement of Purpose:***

To modify or eliminate nondegree paths to licensure for professional engineers and land surveyors, adopt continuing education requirements and revise penalties for violations of related licensing laws.

*[Proposed deletions are enclosed in brackets. Proposed additions are indicated by underline, except that when the entire text of a bill or resolution or a section of a bill or resolution is new, it is not underlined.]*